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DATE

24 March 1970

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SUBJECT  
AREA:

ELECTRONICS

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No. 16-78

## TITLE/SIGNIFICANCE:

A New Back-to-Back Radar and Seven Identical Newly Identified Towers at Kapustin-Yar SAM Firing Range

**COMMENT:** A new back-to-back radar was identified as early [redacted], at Launch Complex AW Radar Facility, Area B. This radar has been designated as the KY-EL-05 and consists of two horizontal parabolic reflectors, [redacted] Bo horizontal reflectors appeared to be mounted atop the radar van. The radar van was oriented perpendicular to the long-axis of the reflectors. This radar appeared to be similar in size and shape to the BACK NET radar and will probably be used as an AW radar for range and azimuth. (See conceptual drawing on reverse side.)

Seven new identical towers of lattice framework were identified emplaced at the KY SAM FIRING RANGE. Six towers were seen emplaced at six suspect SA-5 launch areas and one was at Launch Complex AW Radar Facility, Area B. These self-support towers are of a lattice framework.

[redacted] A light-toned cylindrical object, [redacted] mounted atop of each tower. The precise function of the towers is unknown because of their deployment pattern. They may function in one of several roles such as ECM, data link, or radar. (See drawing on reverse side.)

LOCATION(S)

Kapustin-Yar SAM Firing Range, USSR

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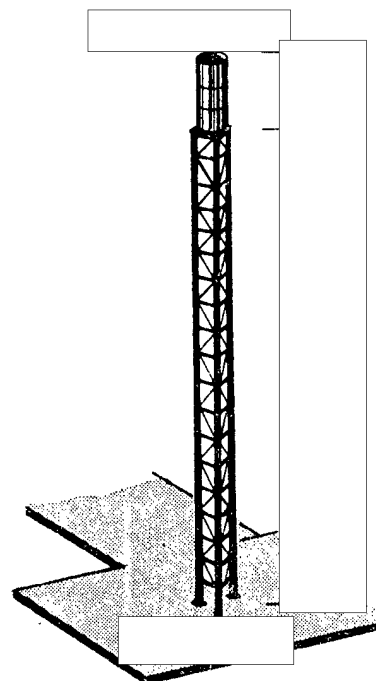
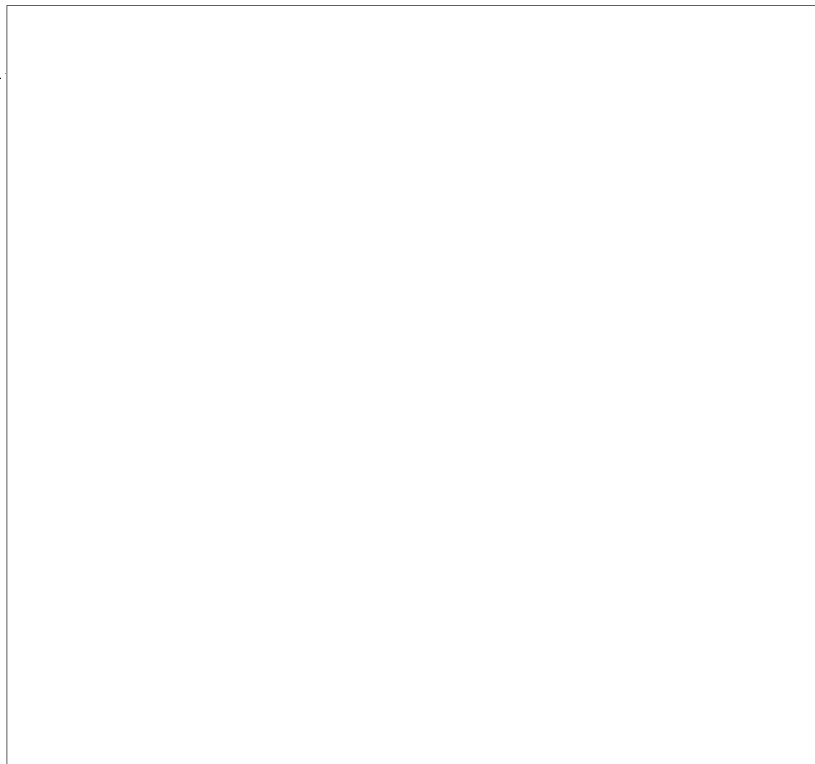
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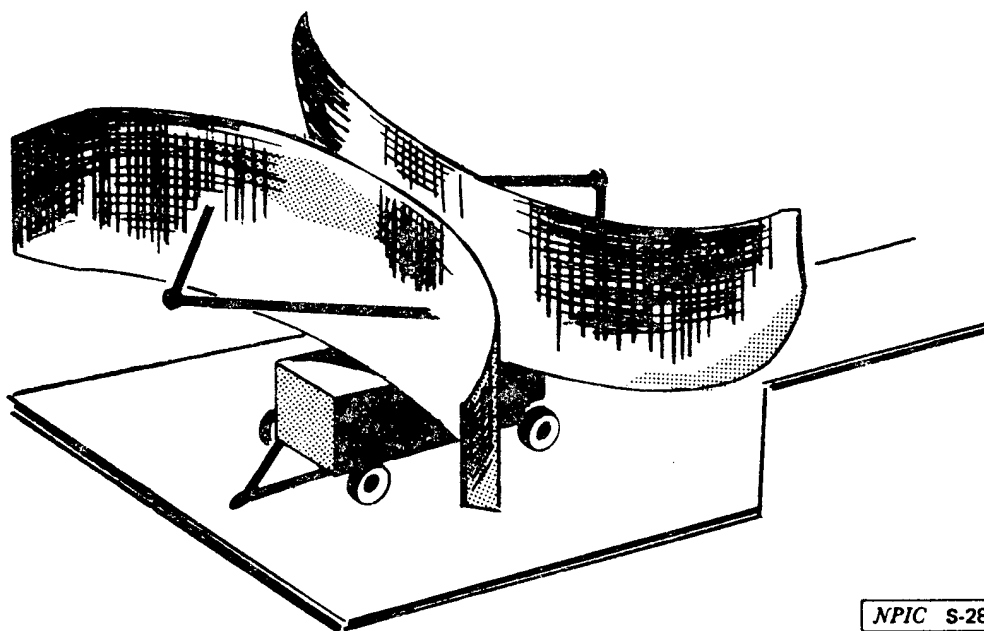
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CONCEPTUAL DRAWING OF NEW TOWER



NPIC S-2897

CONCEPTUAL DRAWING OF NEW BACK-TO-BACK RADAR (KY-EL-05)

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